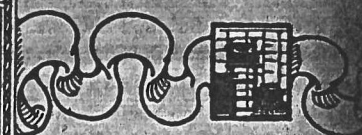


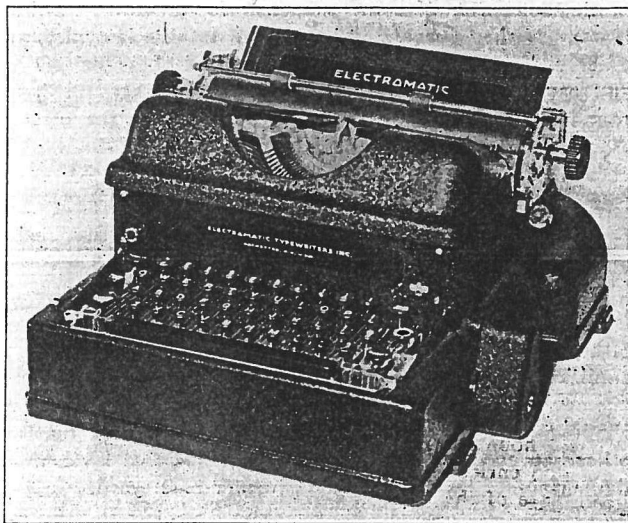


NEW MACHINES and DEVICES



Typewriter Perfected to Run by Electric Power

The Rochester Times Union of May 27 published an extended article with illustrations of a completely electrified typewriter made and financed in Rochester, for which its sponsors expect to find a world market. It is named the



THE NEW ELECTROMATIC TYPEWRITER

Electromatic typewriter and it is predicted that its manufacture will become one of the important industries of Rochester.

The new machine possesses interesting characteristics. The touch on the keys is extremely light and the machine will perform any of the regular operations of the manually operated typewriter. It is claimed that its speed, however, is much greater than that of the machines in common use.

The development of the product goes back to January, 1923, when the Electromatic Typewriters, Inc., then associated with the Northeast Electric Company, began investigating possibility of completely electrifying the office typewriter. The results of research then instituted are now embodied in the present machine which is said to be comparable in size, weight and number of parts to other typewriters. A key pressure of two ounces is said to be sufficient to move a key one-eighth of an inch, which brings it into contact and prints the character. The Electromatic is protected by more than forty United States patents. It is said to be the first machine to have all movements operated by power. The inventors have already received a medal from the Franklin Institute for pioneer work in the electrification of the typewriter.

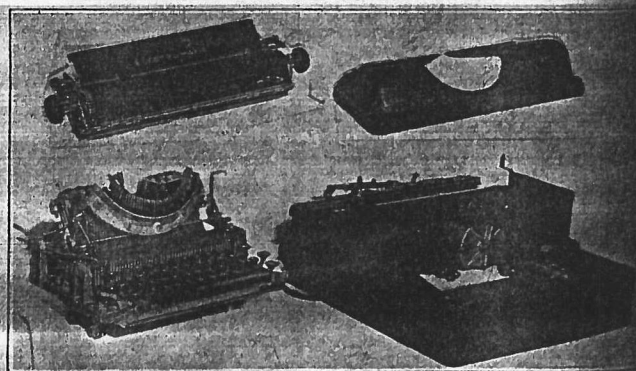
The Electromatic system applies power to all the typewriter movements by cams which are brought into engagement with a revolving rubber-covered roll when the operator touches the keys. The original idea was for operating only the type bars by cams. That was the invention of James F. Smathers of Kansas City. The Electromatic Company, however, under the guidance of Russell G. Thompson, developed the Smathers idea commercially, working out the application of power to all the rest of the typewriter movements, including carriage return, line space, back space, cylinder shift, escapement and tabular move-

ments. Mr. Thompson is an electrician of wide experience and has devoted his time to perfecting the Electromatic system during the past eight years.

It is stated that on the Electromatic machine the touch is the same on each key and no more effort is required to return the carriage than to operate a typebar. The operation of the machine is characterized, we are told, by uniformity of type impression and unusual speed capacity. The impression is entirely independent of the pressure of the finger on the key.

There are three principal assemblies in the Electromatic typewriter—the power mechanism, the frame and the carriage. Each frame serves as a shield for the typewriter mechanism and is a means for mounting motor, rheostat, worm gear and clutch and power roller. The carriage is a complete assembly, easily installed and removed. The power mechanism proper is the heart of the Electromatic system. Each of the type bars is connected through bell cranks to cam units, distributed symmetrically on both sides with a rubber covered roller extending across the base of the bell cranks and just behind the keyboard. The typist by touching a key with a two ounce pressure or more, depresses it one-eighth of an inch, releasing the cam which then engages the roller and operates the type bar, carriage return, platen shift, escapement, back space or line space, tabular, etc., without further effort on the part of the writer.

The master driving roller is covered with a special composition rubber vulcanized on an aluminum core which yields in case there is an occasional crowding of type bars. Owing to the peculiar construction of the machine, it is possible, however, to have four or more type bars in motion at the same time without interfering with the working of the machine. All castings are of die cast aluminum and the keys, space bar and platen knobs are made of colored bakelite, available in colors, including pastel shades. Exposed plated parts are of polished chromium. All parts



ASSEMBLIES OF THE ELECTROMATIC TYPEWRITER

are accessible for service. Parts are interchangeable and the frame is finished in crystal japan baked on, resulting in a durable, non-glare finish. Gears for the ribbon feed are punched directly on the ribbon spool and the ribbon space about one-eighth inch for every operation of a type bar, remaining still when the carriage is returned or the space bar is operating. A simple device prevents type bars from rebounding, thus reducing possible interference.

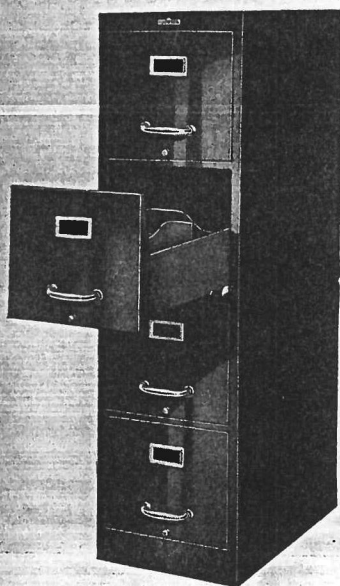
For writing capital letters or using any of the figures

Office Appliances July 1930 v52#1 38-39
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of the type bar face, the entire type basket shifts. The escapement is made to have important advantages. The escapement is operated by power operation consists of two simple pawls which engage the rack directly. These pawls are mounted on a small plate. Key levers extend to the front of the escapement where they are guided in slots in a comb. The Electromatic factory at 45 Crouch street, Rochester, N. Y., was built during the World War by the Symington Company for a gun plant. Later it was occupied by the General Electric Company. The Electromatic Company has fifty thousand square feet of floor space at present and is rapidly expanding.

New Low Priced File Announced by Invincible

A new division of the Invincible Metal Furniture Company, Manitowoc, Wisc., specializing in the large scale production of low priced items, is now producing the "Capitol" standard four-drawer file. It is a sturdy, well designed file equipped with substantial drawer pulls and label holders.



NEW "CAPITOL" FILE MADE BY THE INVINCIBLE METAL FURNITURE COMPANY

The drawers operate easily, have ninety-four inches of filing capacity and an efficient follower block. The file is made in both letter and legal sizes.

Texas Men Devise New Accounting System

F. S. Eubanks and H. E. Cormack, public accountants of Lubbock, Texas, have devised and placed on the market the Simplified Accounting System, said to be applicable to any type of business. The system is being sold by the Simplified Accounting Systems Company, 212 Ellis building, Lubbock, Texas.

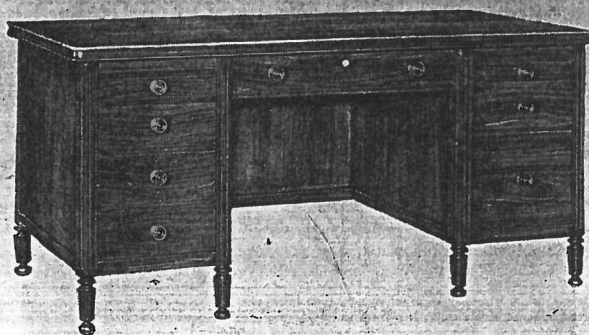
By a simple arrangement of columns and lines in this new system, each account is automatically classified under the proper heading. It is said that even inexperienced bookkeepers have no difficulty in operating the system because the columns and lines are so arranged that misentries are reduced to the minimum.

One page is used for each day's business, the current sheet giving a complete record of the business to date. When a sheet is completely posted, it automatically gives a profit and loss statement, balance sheet, a record of the day's business and the total amount of each account to date.

A number of these systems have already been sold in different parts of the country, where a ready acceptance points to an ultimate wide distribution.

New Metal Desk with Fluted Legs

The Jamestown Metal Desk Company, Jamestown, N. Y., offers a new "JoneSteel" desk called the "Executive." The legs are fluted and designed so that the desk has the beauty of a piece of carved wood furniture. The "Executive" has a top of a composition called "Micarta" which is grained



THE "EXECUTIVE," MADE BY THE JAMESTOWN METAL DESK COMPANY, JAMESTOWN, N. Y.

and colored to match the rest of the desk. The "Micarta" top presents a fine writing surface, is very durable and will not burn or mar.

The "Executive" is made in both roll and flat top models, the latter equipped with "Clemco" typewriter mechanism if desired. It is made in any standard or special finish. Hardware is of bronze.

The manufacturer invites inquiries for further details.

Lanston Announces a New Barrett Desk Machine

The Lanston Monotype Machine Company, Philadelphia, Penna., has introduced a new Model No. 61 Barrett desk machine for store, professional office, and home use. The new machine weighs only twenty pounds, adds and lists seven columns (\$99,999.99) and has a six-column keyboard.

The machine can be set for adding and listing or for adding without listing, the totals accumulating in a set of

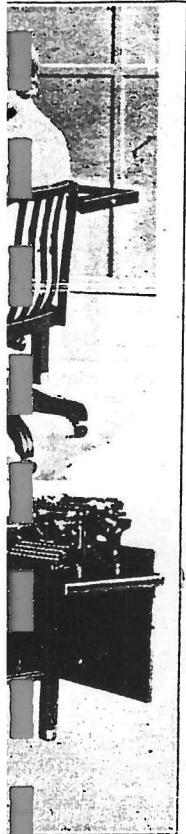


NEW BARRETT DESK MACHINE MODEL NO. 61

visible dials. It is sturdily constructed. The base and case are of cast aluminum, finished with four coats of a fine grade of black enamel, baked on. All working parts, both on the forward and return operation of the handle, are controlled by an automatic air governor. The operating lever is equipped with a shock absorber to prevent abuse

NEW MACHINES and DEVICES

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Youngstown, Ohio,
table accessories
for the stenog-



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A related product is a special desk with a drawer for housing the dictating machine.

The "G-F" typewriter desk with pedestal housing places the typewriter in the right pedestal, behind a closed door. When the machine is called into service the door swings open, and the typewriter bed is raised through an arc to the operating position; the typewriter remains upright during the movement. This arrangement protects the machine from dust and dirt when not in use, and gives an uninterrupted writing top at all times. It is a great convenience where the stenographer or typist has considerable clerical work to do.

The door of the typewriter compartment is fitted with hood pulls to give symmetry to both pedestals, and is provided with a spring catch. A flange attached to the inside of the door serves as an additional support for the typewriter when the machine is raised to the working position. The drawer locking mechanism is operated from the top drawer of that pedestal. The center drawer does not lock.

The typewriter bed of this new "G-F" desk accommodates all standard typewriters of normal carriage width. A modification of this desk with the typewriter housed in the left pedestal is available.

Automatic Typewriter Announced by Electromatic

An automatic letter writer, the Electromatic automatic, has been announced by Electromatic Typewriters, Inc., Rochester, N. Y. On this letter writer any desired number of form letters can be typed automatically. The equipment consists of an Electromatic typewriter fitted with a letter writing auxiliary which operates the keyboard of the Electromatic from a perforated roll. Uniform typing is assured because the keys of the machine are electrically actuated and are released mechanically by the letter writer or by the lightest touch of the finger. The date, address, salutation and fill-ins are typed by the same power as the body of the letter so that perfect evenness of impression is obtained.

The letter writer is mounted on an attractive stand with a paper container fixed in position below the machine.



ELECTROMATIC AUTOMATIC TYPEWRITER

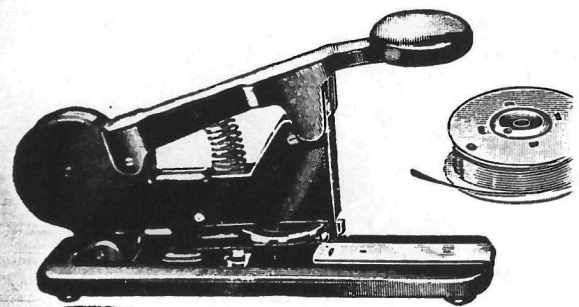
An important adjunct to the Electromatic system of automatic letter writing is the power operated Electromatic perforator. This machine has the same keyboard and the

JANUARY, 1931

same two-ounce touch as the Electromatic. The paper can be prepared with approximately the same speed as the typing of a letter. The punching is visible. The perforator is operated in the same way as the standard Electromatic typewriter and can be used on any standard typewriter desk.

Continuous Roll of Wire a Feature of New Stap Machine

The Bates Manufacturing Company of Orange, N. J. has developed a new stapling machine herewith illustrated. The original model came into the possession of the company about four years ago in a somewhat crude state illustrating the principle of making its own staples from a continuous roll of wire. The company's engineers were working on this product and four different models were prepared within three years, all of them representing a step upward in mechanical development. The fourth model was offered in 1928 and two of the largest corporations in New York City took it for exhaustive tests. Certain imperfections having been discovered, the machine was sent back to the engineering department for further study. The summer of 1929, the final model was turned out again tested with very happy results. By August of that year temporary tools and dies were completed and a hundred machines were made up and placed in the hands of large users. Such was the performance of the product that by the following February the machine was put



THE NEW BATES STAPLING MACHINE WITH ITS ACCOMPANYING ROLL OF WIRE

into production and on the first of May, a substantial quantity had been manufactured. The Bates Company now has completed covering the whole United States, placing the machine in the hands of distributors at every important point.

The new stapler makes its staples from a continuous roll of wire which carries enough to make approximately five thousand staples at one loading. The machine is handily made, being of all steel construction with operating and internal parts cadmium plated to prevent rust.

Acme Adds New Line of Visible Records

The Acme Card System Company, 8 South Michigan Avenue, Chicago, Ill., is introducing the "Insite" record line. This places records on a standard card, folding card; the new line includes "Insite" listing cards, which provide for separate slips which are placed in transparent tubes and filed in trays; or for the individual flexible index strips known as "Flexoline."

"Insite" record products meet the need for a visible record of many types of records to which existing equipment in the visible filing field could not be applied effectively and profitably. They can be used advantageously by business organizations as well as large ones. They can be applied profitably by every business to its less important records which have been maintained without the aid of modern appliances.

Office Appliances 53(1),
1931, pp 32-33

The impression indicator is a conveniently and visibly

placed small white graduated scale, situated in front at the right side of the Electromatic typewriter frame. This indicator shows whether the power is set for light, medium or heavy type impression. A typist, turning from regular typing to stencil cutting, simply turns the impression knob to set the scale at the point where experience has shown that best stencil results are obtained. The Electromatic is then ready for stencil work. When the typewriter is again to be used for ordinary typing, the operator sets the scale to the proper point for this work.

As a result of the accurate scale, stencils cut on the Electromatic are invariably uniform. Stencil work done in September is exactly the same in evenness of typing and strength of impression as that done on the same machine at the same scale setting in January.

The type impression on the Electromatic is even and uniform because each character receives the correct power impulse, entirely independent of the operator's touch. The differences in type face area between the small letters and the capitals, and between such letters as the "I" and the "W" are compensated for in the power drive so as to obtain even print work.

Notable Improvement in Light Duty Loose Leaf Binders

Among variable capacity binders of merit for catalogue, price book, manual and similar purposes, is the type which expands, locks and unlocks by means of external swinging posts and closing screws. Binders of this type are light in weight, readily variable in capacity, assure good alignment of leaf edges and permit quick removal and insertion of leaves.

Remington Rand announces the addition of a small lock-

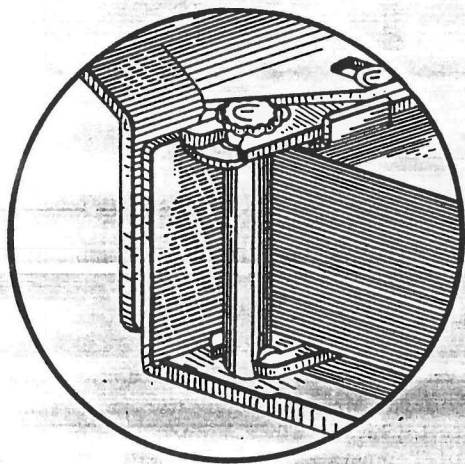


DIAGRAM OF END MECHANISM DESCRIBED
HEREIN, SHOWING LOCKING ARM

ing arm on their style "L" binder which eliminates adjusting the closing screws to insert or remove sheets, and, it is claimed, positively prevents accidental loosening of the locking posts.

The curved end of this locking arm, in locked position, hooks snugly around the closing screw of the locking post. A short right angle upbent flange forms a thumb-catch to swing it in or out of locked position. It is set well away from the end of the locking bar, out of reach of accident, yet just right for the thumb. A light lateral pull or push instantly unlocks or locks it.

Fountain Pen with Standard

E. Menzel, 30 Nuenberger Strasse, Berlin, SW68, Germany, manufactures a fountain pen with an attachment to permit the user to set it up in a vertical position at intermissions of writing. The barrel is provided with a small,

The Bookkeeping Machine World awaits this new ADCO desk....



Answering the Bookkeeper's Problem

THE NEW ADCO DESK, adaptable to any type of accounting machine, is a complete bookkeeper's office in itself—one complete unit eliminating unsightly machine stands and makeshift cabinets for supplies—matching office installations in style, quality and finish.

The illustration shows the patented lifting and swivel device in the right hand drawer. The operator now posts from a height and angle of visibility of his own choosing—with either binders or trays of standard make.

Place is provided for active ledger sheets and statements as well as surplus and other forms.

The new ADCO desk has proven a sensation in the New York Bookkeeping Machine World.

Write for full information so your customers, too, will receive the benefit from this new efficient unit. Liberal terms offered to dealers.

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